



# 2002 Drinking Water Quality Report

## **RRA - FOARD COUNTY WATER SYSTEM**

### **Red River Authority of Texas**

900 8<sup>th</sup> Street, Suite 520  
Wichita Falls, Texas 76301  
(940) 723-8697

## **Our Drinking Water Meets or Exceeds All Federal (EPA) Drinking Water Requirements**

This report is a summary of the quality of the water we provide our customers. The analysis was made by using the data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what's in your drinking water.

### **Special Notice for the ELDERLY, INFANTS, CANCER PATIENTS, people with HIV/AIDS or other immune problems:**

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (800/426-4791).

### **En Espanol**

Este reporte incluye informacion importante sobre el agua para tomar. Para obtener una copia de esta informacion traducir al Espanol, favor de llamar al telefono (940) 723-8697.

### **Where do we get our drinking water?**

The **RRA-Foard County Water System** utilizes surface water from Greenbelt Lake as its sole source supply. Treated surface water is purchased from the Greenbelt Municipal and Industrial Water Authority (GMIWA), who owns and operates Greenbelt Lake. After treating the raw water from Greenbelt Lake through its treatment facilities, GMIWA transports the water to its customer entities located along a pipeline stretching from just north of Clarendon, Texas southeast to Crowell, Texas. The Texas Commission on Environmental Quality (TCEQ) will be reviewing all of Texas' drinking water sources. The source water assessment has been completed and the report will be available this year. This will allow us to focus on our source water protection.

## **ALL Drinking Water May Contain Contaminants**

When drinking water meets federal standards there may not be any health based benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (800) 426-4791.

## **Public Participation Opportunities**

The Authority's Board of Directors regularly meets on the third Wednesday of January, April, July, and September of each year. Specific times and locations of these and/or any special meetings can be obtained by contacting the Authority at (940) 723-8697.

For more information about the water quality of your water system, public participation programs, water conservation programs, and/or general operations policies, call (940) 723-8697 or e-mail the Authority at: [info@rra.dst.tx.us](mailto:info@rra.dst.tx.us). For service requests or reporting leaks after normal business hours, contact your District Manager, Mr. Mike Carlson at (940) 474-3263 or Mr. Thomas Colston at (940) 553-3704.

## **System Information**

The Red River Authority of Texas owns and operates 29 registered public water supply systems through its Utility Division. The Utility Division maintains over 2,150 miles of transmission lines, two surface water treatment plants, 65 pumping facilities and serves approximately 10,000 customers residing in a 15 county area of the Red River Basin. The Utility Division is subdivided into geographical districts for proper management, maintenance, and financial accounting of individual systems.

The **RRA-Foard County Water System** is one of the water systems operated by the Utility

Division's District 15. In 2002, the system served 99 active connections with an average water use of 298 gallons per day per connection. The primary use of the water was rural domestic. No major capital improvement items were scheduled for 2002.

Information on the Utility Division's Water Conservation and Drought Contingency Plan is available on the Authority's web page at [www.rra.dst.tx.us](http://www.rra.dst.tx.us) or can be obtained by calling (940) 723-8697.

## **Definitions:**

### **Maximum Contaminant Level (MCL) –**

The highest level of a contaminant in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

### **Maximum Contaminant Level Goal (MCLG) –**

The level of a contaminant in drinking water below which there is no known or expected health risk. MCLGs allow for a margin of safety.

### **Treatment Technique (TT) –**

A required process intended to reduce the level of a contaminant in drinking water.

### **Action Level (AL) –**

The concentration of a contaminant which, if exceeded, triggers treatment or other **requirements which a water system must follow.**

**NTU** – Nephelometric Turbidity Units

**MFL** – million fibers per liter

**pCi/l** – picocuries per liter (a measure of radioactivity)

**ppm** – parts per million, or milligrams per liter (mg/l)

**ppb** – parts per billion, or micrograms per liter (ug/l)

**ppt** – parts per trillion, or nanograms per liter

**ppq** – parts per quadrillion, or picograms per liter

## **SECONDARY CONSTITUENTS**

Many constituents (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concerns. Therefore, secondaries are not required to be reported in this document, but they may greatly affect the appearance and taste of your water.

### About the Following Tables

U.S. EPA requires water systems to test up to 97 constituents. The attached table contains all of the federally regulated or monitored constituents which have been found in your drinking water.

#### Inorganics

Year	Constituent	Highest Level at Any Sampling Point	Range of Detected Levels	MCL	MCLG	Unit of Measure	Source of Constituent
2002	Barium	0.191	0.1910-0.1910	2	2	ppm	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits.
2002	Fluoride	0.9	0.9000-0.9000	4	4	ppm	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories.
2001	Gross alpha adjusted	1.3	1.3000-1.3000	15	0	pci/l	Erosion of natural deposits.
2001	Gross beta emitters	5.1	5.1000-5.1000	50	0	pci/l	Decay of natural and man-made deposits.

NA = MCL not applicable - not regulated. Special Monitoring Requirement.

#### Unregulated Contaminants

Year	Constituent	Average of All Sampling Points	Range of Detected Levels	Reason for Monitoring
2002-2002	Chloroform	29.5	29.5000-29.5000 ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.
2002-2002	Bromoform	2.6	2.6000-2.6000 ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.
2002-2002	Bromodichloromethane	28.5	28.5000-28.5000 ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.
2002-2002	Dibromochloromethane	22	22.0000-22.0000 ppb	Unregulated contaminant monitoring helps EPA to determine where certain contaminants occur and whether it needs to regulate those contaminants.

#### Turbidity

Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.						
Year	Constituent	Highest Single Measurement	Lowest Monthly % of Samples Meeting Limits	Turbidity Limits	Unit of Measure	Source of Constituent
2002	Turbidity	0.49	100	0.5	NTU	Soil Runoff

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### **Coliforms**

What are Coliforms?

Total coliform bacteria are used as indicators of microbial contamination of drinking water because testing for them is easy. While not disease-causing organisms themselves, they are often found in association with other microbes that are capable of causing disease. Coliform bacteria are more hardy than many disease-causing organisms; therefore, their absence from water is a good indication that the water is microbiologically safe for human consumption.

Fecal coliform bacteria and, in particular, *E. coli*, are members of the coliform bacteria group originating in the intestinal tract of warm-blooded animals and are passed into the environment through feces. The presence of fecal coliform bacteria (*E. coli*) in drinking water may indicate recent contamination of the drinking water with fecal material. The following table indicates whether total coliform or fecal coliform bacteria were found in the monthly drinking water samples submitted for testing by your water supplier last year.

#### **Total Coliform**

<b>Year</b>	<b>Constituent</b>	<b>Highest Monthly Number of Positive Samples</b>	<b>MCL</b>	<b>Unit of Measure</b>	<b>Source of Constituent</b>
2002	Total Coliform Bacteria	1	*	Presence	Naturally present in the environment
* Two or more coliform found samples in any single month.					

#### **Lead and Copper**

<b>Year</b>	<b>Constituent</b>	<b>The 90<sup>th</sup> Percentile</b>	<b>Number of Sites Exceeding Action Level</b>	<b>Action Level</b>	<b>Unit of Measure</b>	<b>Source of Constituent</b>
1999	Lead	3.0000	0	15	ppb	Corrosion of household plumbing systems; Erosion of natural deposit.
1999	Copper	0.3460	0	1.3	ppm	Corrosion of household plumbing systems; Erosion of natural deposits; Leaching from wood preservatives.

**Organics - NOT TESTED FOR OR NOT DETECTED**

**Disinfection By-Products - NOT TESTED FOR OR NOT DETECTED**

**Fecal Coliform - NOT DETECTED**